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(FILE 'HOME' ENTERED AT 22:06:56 ON 20 APR 2003)

FILE 'USPATFULL' ENTERED AT 22:07:03 ON 20 APR 2003

L1 0 S 'L1-L5' (W) ADENOVIR?
L2 77 S 'L1-L5' (P) ADENOVIR?
L3 57 S 'E2' (P) L2

FILE 'WPIDS' ENTERED AT 22:24:43 ON 20 APR 2003

L4 1 S WO9412649/PN
L5 0 S L3 AND L4
L6 0 S "E2" AND L4
L7 1 S 'E4' AND L4
L8 1 S L7 (P) ADENOVIR?

FILE 'USPATFULL' ENTERED AT 22:28:25 ON 20 APR 2003

L9 20 S L2 NOT L3
L10 4206 S NONFUNCTIONAL
L11 16 S L10 AND L2
L12 37 S ('E2' OR 'E4' OR 'L1' OR 'L2' OR 'L3' OR 'L4' OR 'L5') (P) NONF
L13 25 S L12 AND ADENOVIR?

FILE 'MEDLINE' ENTERED AT 22:43:00 ON 20 APR 2003

L14 15 S ('E2' OR 'E4' OR 'L1' OR 'L2' OR 'L3' OR 'L4' OR 'L5') (P) NONF
L15 36 S NONFUNCTIONAL AND ADENOVIR?
L16 57535 S ('E2' OR 'E4' OR 'L1' OR 'L2' OR 'L3' OR 'L4' OR 'L5')
L17 885 S L16 AND ADENOVIR?
L18 2 S L17 AND NONFUNCTIONAL
L19 117 S L17 AND DEFECT?

FILE 'CONFSCI' ENTERED AT 23:11:31 ON 20 APR 2003

E WILSON/AU
E WILSON J/AU
E WILSON J M/AU
L20 62 S E3
L21 4 S L20 AND ADENOVIR?

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ENTER DISPLAY FORMAT (BIB):ALL

L21 ANSWER 3 OF 4 CONFSCI COPYRIGHT 2003 CSA
AN 94:9185 CONFSCI
DN 94021222
TI Safety and efficacy of recombinant **adenoviruses** for lung
directed gene therapy in nonhuman primates
AU Engelhardt, J.; Simon, R.; Zepeda, M.; Yang, Yiping; Wilson, J.M.
CS Inst. for Human Gene Ther., Univ. Pennsylvania, Philadelphia,
Pennsylvania, USA
SO John Wiley & Sons, Inc., Subscription Department 9th Floor, 605 Third
Avenue, New York, NY 10158-0012, USA; Telephone: (212) 850-6543,
Abstracts, Pediatric Pulmonology, Supplement 9, September 1993, ISSN:
8755-6863 Paper No. S16.4.
Meeting Info.: 934 5002: Seventh Annual North American Cystic Fibrosis
Conference (9345002). Dallas, TX (USA). 13-16 Oct 1993. Cystic Fibrosis
Foundation.
DT Conference
FS DCCP
LA English
CC 3500 CLINICAL MEDICINE; 4500 EXPERIMENTAL MEDICINE

could be prior

4/21/03

art — ORDER — 100

L19 ANSWER 75 OF 117 MEDLINE
AN 95004602 MEDLINE
DN 95004602 PubMed ID: 7522742
TI Inactivation of E2a in recombinant **adenoviruses** improves the
prospect for gene therapy in cystic fibrosis.
AU Yang Y; Nunes F A; Berencsi K; Gonczol E; Engelhardt J F; Wilson J M
CS Institute for Human Gene Therapy, University of Pennsylvania Medical
Center, Philadelphia.
SO NATURE GENETICS, (1994 Jul) 7 (3) 362-9.
Journal code: 9216904. ISSN: 1061-4036.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199411
ED Entered STN: 19941222
Last Updated on STN: 19960129
Entered Medline: 19941117
AB Although first generation recombinant **adenoviruses**, deleted of
sequences spanning E1a and E1b, have been useful for in vivo applications
of gene therapy, expression of the recombinant gene has been transient and
often associated with the development of inflammation. We show that with
first generation **adenovirus**-mediated gene transfer to the mouse
lung, viral proteins are expressed leading to destructive cellular immune
responses and repopulation of the lung with nontransgene containing cells.
Second generation E1 deleted viruses further crippled by a temperature
sensitive mutation in the E2a gene were associated with substantially
longer recombinant gene expression and less inflammation. Stable
expression of human CF transmembrane conductance regulator has been
achieved in lungs of CF mice instilled with a second generation virus.